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JUL 18 2003

TC 1700

a top adhesive layer;
a bottom adhesive layer;
a metal core layer having a melting temperature not
greater than substantially 1220 degrees Fahrenheit;
wherein said top sintered layer is attached to
said metal core layer using said top adhesive layer
and said bottom sintered layer is attached to said
metal core using said bottom adhesive layer.

20. (Amended) An adhesive boned sintered plate comprising:

a top sintered layer;
a bottom sintered layer;
a top adhesive layer;
a bottom adhesive layer;
a metal core layer having a melting temperature not
greater than substantially 1220 degrees Fahrenheit;
wherein said top sintered layer is attached to
said metal core layer using said top adhesive layer
and said bottom sintered layer is attached to said
metal core using said bottom adhesive layer;

wherein each of said top sintered layer and said
bottom sintered layer being attached to said metal
core layer at a bonding temperature, bonding pressure,
and a bonding time, wherein:

- a. said bonding pressure is in the range of 25 to
1000 psi;
- b. said bonding temperature is in the range of
375 degrees Fahrenheit to 475 degrees
Fahrenheit; and
- c. said bonding time is at least 30 seconds.